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| Notice of Allowability | Application No. | Applicant(s) | |
| | 10/816,435 | TSAO ET AL. | |
| | Examiner Gopal C. Ray | Art Unit 2111 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to filing a request for continued examination with IDS on 9/19/06.
2. The allowed claim(s) is/are 1,2,4-11,13-20 and 22-27.
3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All
 - b) Some*
 - c) None
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)
2. Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 9/19/06
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. Notice of Informal Patent Application
6. Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. Examiner's Amendment/Comment
8. Examiner's Statement of Reasons for Allowance
9. Other _____.

Gopal C. Ray
GOPAL C. RAY
PRIMARY EXAMINER
GROUP 2300

Claims 1, 2, 4-11, 13-20 and 22-27 are presented for examination. However, the claims are allowable over the prior art of record, alone or in combination, for reasons mentioned below:

The following is an Examiner's Statement of Reasons for Allowance:

The claimed invention is directed to "an interrupt scheme for an input/out device". The examiner has done complete search and found no prior art of record, alone or in combination, teaches or fairly suggests the limitation, "wherein the event data structure identifier is determined by accessing a message vector mapping structure using the processor identifier and an event code" in combination with other claimed elements as claimed in independent claim 1 and similar limitations in independent claims 6, 10, 15, 19 and 24. Dependent claims 2, 4, 5, 7-9, 11, 13, 14, 16-18, 20, 22, 23 and 25-27 further limit the subject matter of respective parent claims. Therefore, the invention as claimed in claims 1, 2, 4-11, 13-20 and 22-27 is considered allowable because combinations recited in the claims are patentably distinguished from the prior art of record.

Any comments considered necessary by applicant must be submitted in response to this office action to avoid processing delays. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Gopal C. Ray
GOPAL C. RAY
PRIMARY EXAMINER
GROUP 2100